



# Indiana Crop & Weather Report

INDIANA AGRICULTURAL STATISTICS SERVICE  
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## CROP REPORT FOR WEEK ENDING AUGUST 29

Corn harvest is underway in a few scattered fields in southwestern areas of the state, according to the Indiana Agricultural Statistics Service. Some areas received rain, but soil conditions remain dry. Major activities during the week included harvesting tobacco, selling grain, baling hay, mowing roads, preparing equipment and care of livestock.

### CORN

**Corn** condition improved from last week with 34 percent of the crop rated good to excellent compared with 63 percent at this time last year. Virtually all the corn crop has reached the **dough** stage. Seventy-four percent of the corn acreage is in the **dent** stage compared with 55 percent last year and 40 percent for the 5-year average. Ten percent of the corn acreage is **mature** compared with 13 percent last year and 5 percent for the average. By region, 71 percent of the corn acreage is in the dent stage in the north, 76 percent in the central and 77 percent in the south.

### SOYBEANS

Soybean **condition** improved from last week and is rated 31 percent good to excellent compared with 66 percent last year. Ninety-nine percent of the soybean acreage is **setting pods** compared with 95 percent last year and 93 percent for average. By region, 100 percent of the soybean acreage is setting pods in the north, 99 percent in the central and 98 percent in the south. Eleven percent of the soybean acreage is **shedding leaves** compared with 8 percent last year and 4 percent for the average.

### OTHER CROPS

**Pasture condition** was rated 7 percent good, 28 percent fair, 37 percent poor and 28 percent very poor. Third cutting of **alfalfa** hay is 95 percent complete compared with 75 percent last year. Tobacco harvest is 45 percent complete compared with 21 percent for both last year and average.

### DAYS SUITABLE and SOIL MOISTURE

For the week ending Friday, 5.9 days were rated **suitable for fieldwork**. **Topsoil moisture** was rated 28 percent very short, 43 percent short and 29 percent adequate. **Subsoil moisture** was rated 35 percent very short, 47 percent short and 18 percent adequate.

### CROP PROGRESS

Crop	This Week	Last Week	Last Year	5-Year Avg
Percent				
Corn in Dough	100	97	92	87
Corn Dent	74	60	55	40
Corn Mature	10	NA	13	5
Soybeans Podding	99	97	95	93
Soybeans Shedding Lv	11	7	8	4
Alfalfa, Third Cutting	95	87	75	NA

### CROP CONDITION

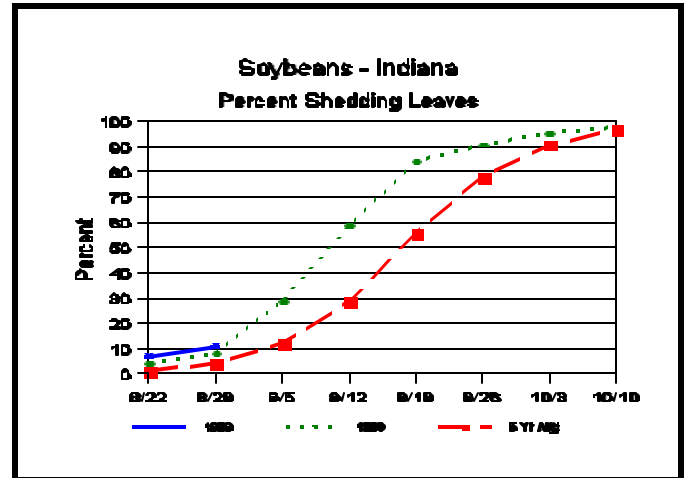
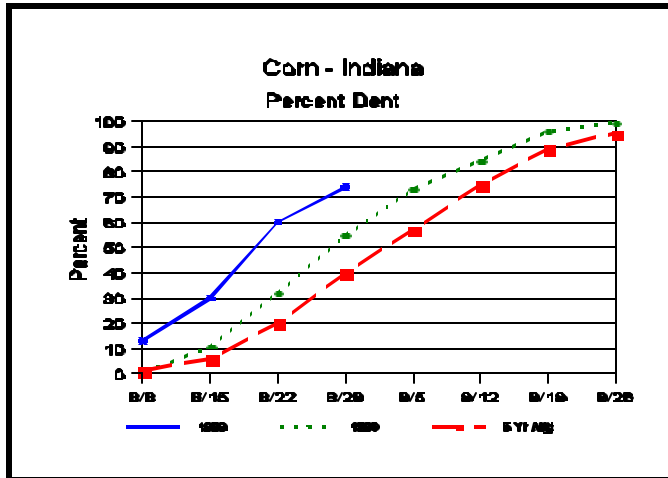
Crop	Very Poor	Poor	Fair	Good	Excellent
Percent					
Corn	7	18	41	31	3
Soybeans	7	19	43	29	2
Pasture	28	37	28	7	0

### SOIL MOISTURE

	This Week	Last Week	Last Year
Percent			
<b>Topsoil</b>			
Very Short	28	33	4
Short	43	45	35
Adequate	29	22	58
Surplus	0	0	3
<b>Subsoil</b>			
Very Short	35	35	3
Short	47	50	25
Adequate	18	15	69
Surplus	0	0	3

--Ralph W. Gann, State Statistician  
--Bud Bever, Agricultural Statistician  
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# Crop Progress



## Harvest Aid Herbicides

Crops may mature early this year, but weeds are with us until frost. Once the crop reaches a particular stage, certain herbicides may be used to aid with the harvest of that crop, limit weed seed production, or suppress certain perennials.

For soybeans, do not apply harvest aid chemicals too early. Soybean seed continue to increase in weight very late into the season. As long as leaves are green, there is apparently some steady increase in seed size. Too early an application of a harvest aid will reduce soybean yields, seed size, oil content, and seed quality.

**Gramoxone Extra** (paraquat) can be used to kill (desiccate) grass or broadleaf weeds. It will not kill the root systems of perennial weeds. Large succulent weeds may take two or more weeks for the stems to dry after a Gramoxone Extra application. Therefore, do not spray one day and plan to harvest the next. Apply 12.8 fluid ounces per acre of Gramoxone Extra either by ground or aerial application. Add 1 to 2 pints of a nonionic surfactant per 100 gallons of spray solution or a crop oil concentrate at 1 percent (v/v). Mature, especially drought-stressed, cocklebur are tolerant to Gramoxone Extra. Apply when at least 65 percent of the seed pods have reached a mature brown in color or when seed moisture is 30 percent or less. Remember that immature soybeans will be injured. Do not pasture livestock within 15 days of treatment. Remove livestock from treated fields at least 30 days before slaughter.

Apply **Roundup Ultra** by air or ground equipment after soybean pods have set and lost all green color. Allow a minimum of 7 days between application and

harvest. Apply no more than 1 quart per acre by air. Non-Roundup ready beans can receive higher rates with ground application. Roundup ready beans cannot receive more than a total of 3 quarts per acre in a single season. Do not use Roundup on non-roundup Ready soybeans grown for seed beans. Do not graze or harvest treated soybeans for livestock feed within 25 days of last pre-harvest application. This treatment is not recommended for soybeans grown for seed production. The use of Roundup Ultra as a pre-harvest spray would be beneficial in controlling creeping perennial weeds, such as Canada thistle, before harvesting the soybeans. Fall represents an ideal time to apply downwardly-translocated herbicides for the control of perennial broadleaf weeds.

**Touchdown 5** can be applied up to 1.6 pints/acre with AMS to soybeans when the pods have lost their color. Applications need to be made at least 7 days prior to harvest. Do not graze or harvest the soybeans for hay.

Some weeds such as black nightshade may not be desiccated by these pre-harvest herbicide treatments. The leaves of black nightshade may drop off, but the berries most often do not. These berries, when ran through a combine, will stain the soybean seed as well as deposit their seed onto the surface of the soybean. Do not attempt to harvest through heavy stands of this weed. Wait till after a frost, preferably two frosts, before harvesting this area. Soybean fields with heavy nightshade pressure should be combined last to limit the amount of staining, seed dispersal, and combine problems.

(Continued on Page 4.)

# Weather Data

Week ending Sunday August 29, 1999

Station	Past Week Weather Summary Data							Accumulation					
	Air Temperature				Precip.		Avg 4 in Soil Temp	April 1, 1999 thru August 29, 1999					
								Precipitation		GDD Base 50°F			
	Hi	Lo	Avg	DFN	Total	Days	Total	DFN	Days	Total	DFN		
<b>Northwest(1)</b>													
Valparaiso_Ag	87	61	71	+3	1.12	4	76	18.33	-1.25	59	2600	+301	
Wanatah	90	45	67	-2	0.36	5		18.03	-1.04	60	2209	+9	
Wheatfield	90	54	71	+3	0.66	3		23.13	+4.52	52	2623	+370	
Winamac	87	55	70	+2	0.60	3		74	18.50	-0.37	48	2631	+309
<b>North Central(2)</b>													
Logansport	87	55	72	+3	0.53	4	76	18.09	+0.03	62	2675	+289	
Plymouth	87	56	71	+2	1.73	5		21.06	+1.99	64	2587	+153	
South_Bend	88	63	72	+4	2.20	5		17.70	-0.70	52	2722	+434	
Young_America	85	64	75	+6	0.00	0		M I S S I N G					
<b>Northeast(3)</b>													
Bluffton	86	60	71	+1	2.18	5	70	17.17	-0.94	54	2708	+260	
Fort_Wayne	86	60	71	+2	1.72	4	79	15.26	-1.77	55	2666	+277	
<b>West Central(4)</b>													
Crawfordsville	88	49	69	-2	0.21	4		72	14.93	-5.22	59	2505	-53
Perrysville	88	52	70	+0	0.03	1		80	15.30	-5.00	53	2701	+194
Terre_Haute_Ag	94	61	76	+5	0.10	1	78	16.58	-3.60	56	3087	+415	
W_Lafayette_6NW	87	53	71	+2	0.19	3	70	19.15	+0.27	55	2715	+339	
<b>Central(5)</b>													
Castleton	88	58	73	+1	0.42	4		70	16.74	-2.99	67	2836	+200
Greenfield	88	59	72	+2	0.25	3			13.66	-7.32	59	2812	+271
Indianapolis_AP	88	57	73	+2	0.22	4	15.16		-3.94	58	2975	+324	
Indianapolis_SE	88	58	71	-1	0.37	3	14.48		-5.25	63	2736	+100	
Tipton_Ag	87	49	70	+2	0.45	4	69	14.48	-4.70	52	2497	+188	
<b>East Central(6)</b>													
Farmland	89	56	71	+3	0.20	2		73	15.93	-2.66	59	2622	+368
New_Castle	87	55	70	+0	0.28	2			15.87	-4.37	59	2418	+109
<b>Southwest(7)</b>													
Dubois_Ag	95	57	74	+2	0.42	2	81		18.39	-3.61	52	2962	+271
Evansville	92	59	76	+2	0.01	1	73	18.67	-0.54	54	3197	+120	
Freelandville	91	60	74	+2	0.26	2		21.45	+1.40	52	2939	+179	
Shoals	92	55	72	-1	0.66	2		18.13	-3.64	47	2825	+154	
Vincennes_5NE	91	59	74	+2	0.40	1		20.82	+0.77	69	3043	+283	
<b>South Central(8)</b>													
Bloomington	94	59	74	+2	0.18	2	75	15.78	-4.74	49	2966	+257	
Tell_City	94	61	77	+3	0.00	0		16.37	-5.67	46	3310	+363	
<b>Southeast(9)</b>													
Butlerville	90	57	72	+0	1.61	3		75	17.63	-2.51	64	2886	+143
Scottsburg	94	56	73	+1	0.36	2	15.12		-5.57	45	3055	+309	

DFN = Departure From Normal (Using 1961-90 Normals Period).

GDD = Growing Degree Days.

Precipitation (rain or melted snow/ice) in inches.

Precipitation Days = Days with precipitation of 0.01 inch or more.

Air Temperatures in Degrees Fahrenheit.

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Ultra can be used at 1 quart per acre by air or 3 quarts per acre by ground after grain moisture is 35 percent or less. Allow at least 7 days between application and harvest.

–Thomas N. Jordan, Weed Science, Purdue University

